2018 Drainage Improvement Plan







Street Flooding



S 15th Street



N College Ave @ Sunbridge



N Porter Road



W Poplar Street

Structure Flooding



Estimate 45-50 structures with various levels of flooding that have been reported

Property Damage/Yard Flooding

Fence Damage Valley Drive



Structure/Yard Flooding



Driveway Flooding



Property Damage/Yard Flooding



E Rebecca Property Flooding



E Spyglass Hill Property Flooding

Property Damage/Yard Flooding



College and Rebecca Parking



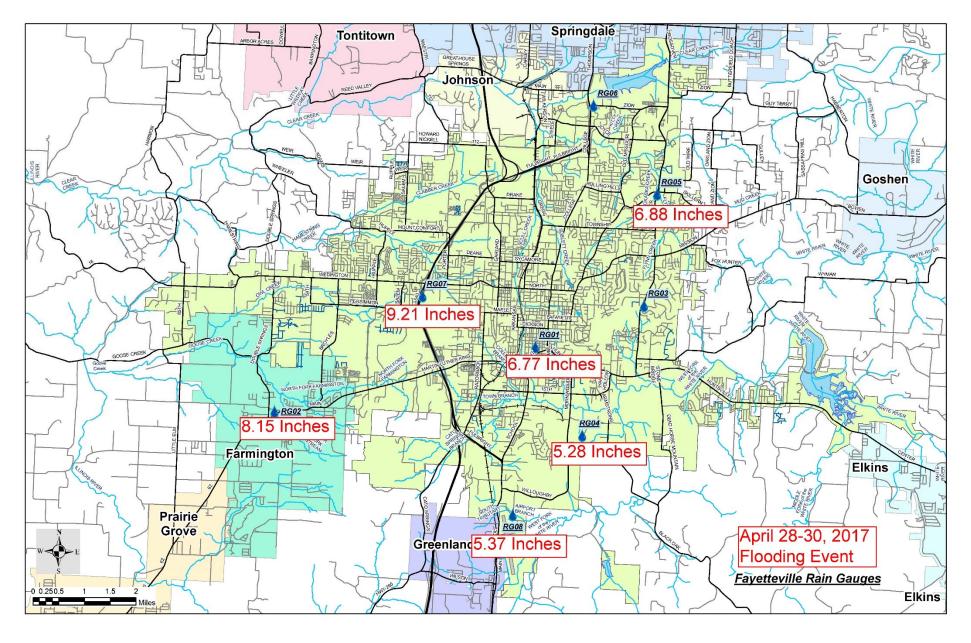
N Fowler Ave



West of Holly/Sang Intersection

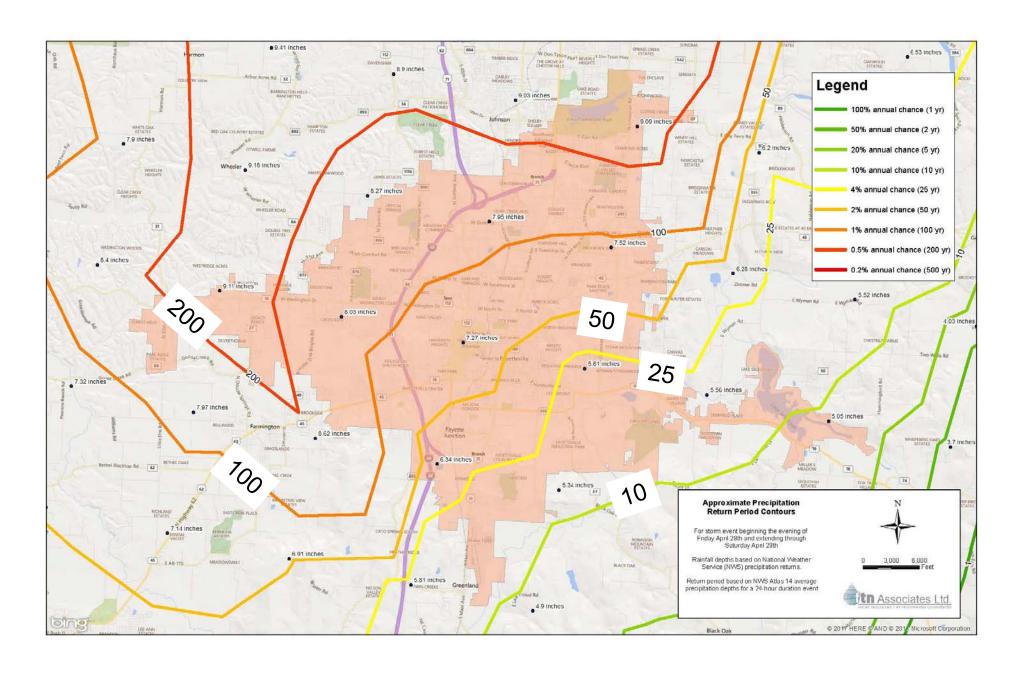


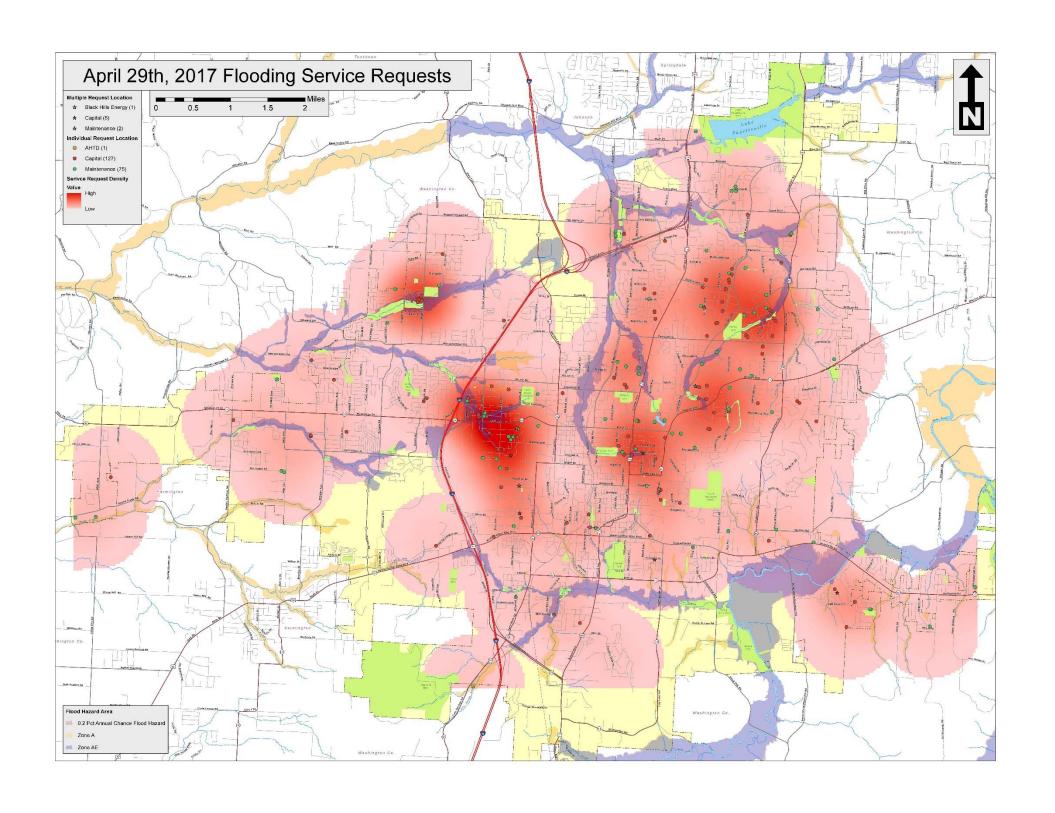
N Lewis Ave



100-Year 24 hour Rainfall: 7.91 Inches

Total Precipitation April 28th-April 30th
City Rain Gauges





\$ How Much \$

- Overall cost estimated \$15 to \$20 million
- Maintenance: 83 Projects; \$100K
- CIP: Over 100 total projects ranging in size
- 2018 Available funds anticipated to be approximately \$550,000

**Does not include

- labor costs for maintenance projects
- capital costs for those projects in need of flood study

2018 Drainage Program

		Constructi	on			Rank Tot
Project Name	Water in Structure	Drainage Study	Design Cost	Const Cost	Status	_
astern Ave Interim	Yes	Yes	Complete	3,000	Transportation to construct	25
Park Ave/Wilson Park	Yes	Complete	Complete	33,000	Transportation to construct	7
Ramsey	Yes	Complete	Complete	56,000	Transportation to construct	5
Boxwood	Yes	Complete	\$6,500	275,000	Design Underway; Bid 2018	15
Spyglass Hill	No, planned prior to April	Complete	Complete	120,000	Design complete, Bid 2018	10
Black Canyon	No, sandbagged to prevent	No	Complete	500	Transportation to construct	6
Emma Ave	No, planned prior to April	No	Complete	7,000	Transportation to construct	4

\$ 6,500	494,500

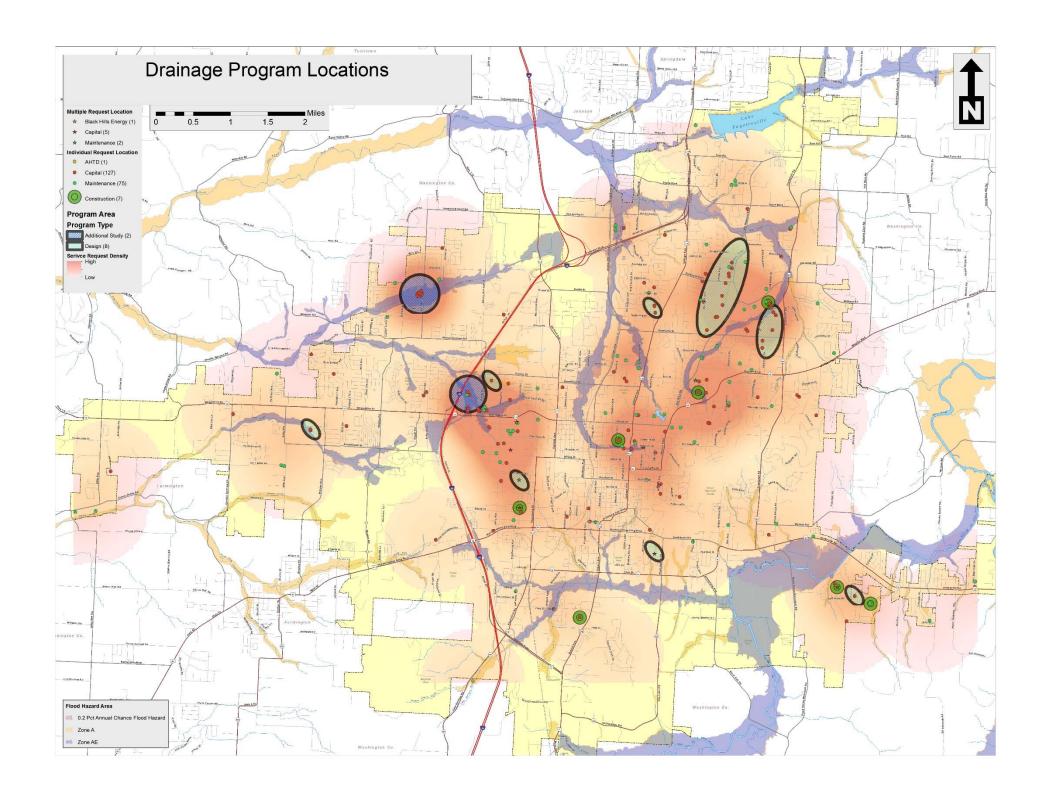
		Design				
Project Name	Water in Structure	Drainage Study	Design Cost	Const Cost	Status	
astern Ave Long Term	Yes	Yes	TBD	250,000	Design started prior to April	
lissouri Creek	Yes	Yes	TBD	3,300,000	Further study required	
mhurst/McClinton	Yes	Yes	TBD	1,000,000	Design Required	
unbridge/College	Yes	Yes	TBD	2,250,000	Partial design complete	
ountry Way/Ferguson	Yes	Yes	TBD	275,000	Design Required	
nda Jo Place	Yes	Yes	TBD	150,000	Design Required	
omespun	Yes	Yes	TBD	25,000	Design Required	
River Meadows/Cherry Hills	Yes	Yes	TBD	25,000	Design Required	
almer Ave	Yes	Yes	TBD	15,000	Design Required	
Huntsville	Yes	Yes	TBD	10,000	Design Required	

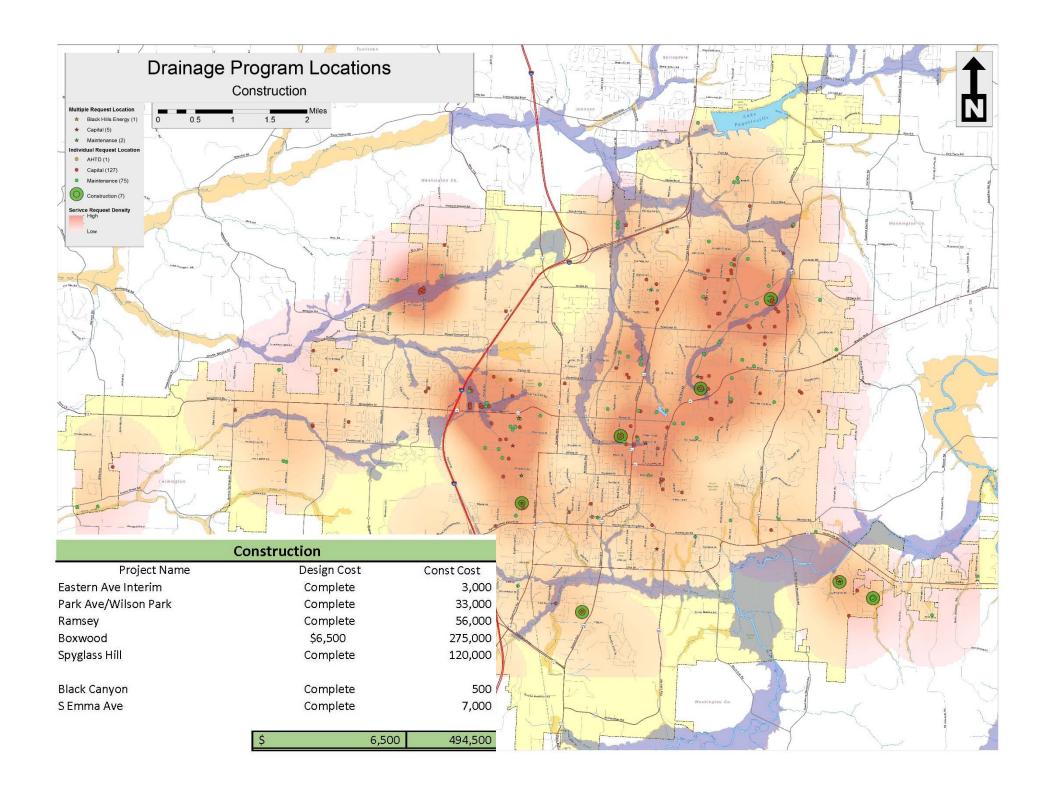
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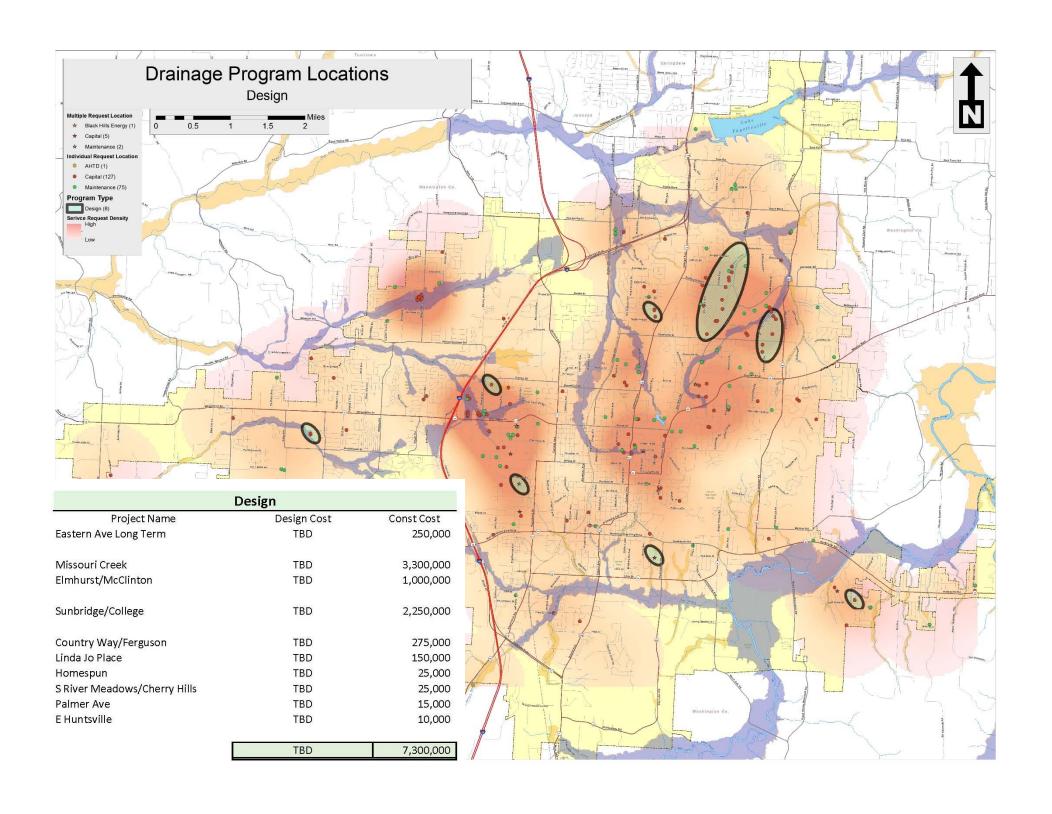
2017/2018 Construction Total \$ 501,000

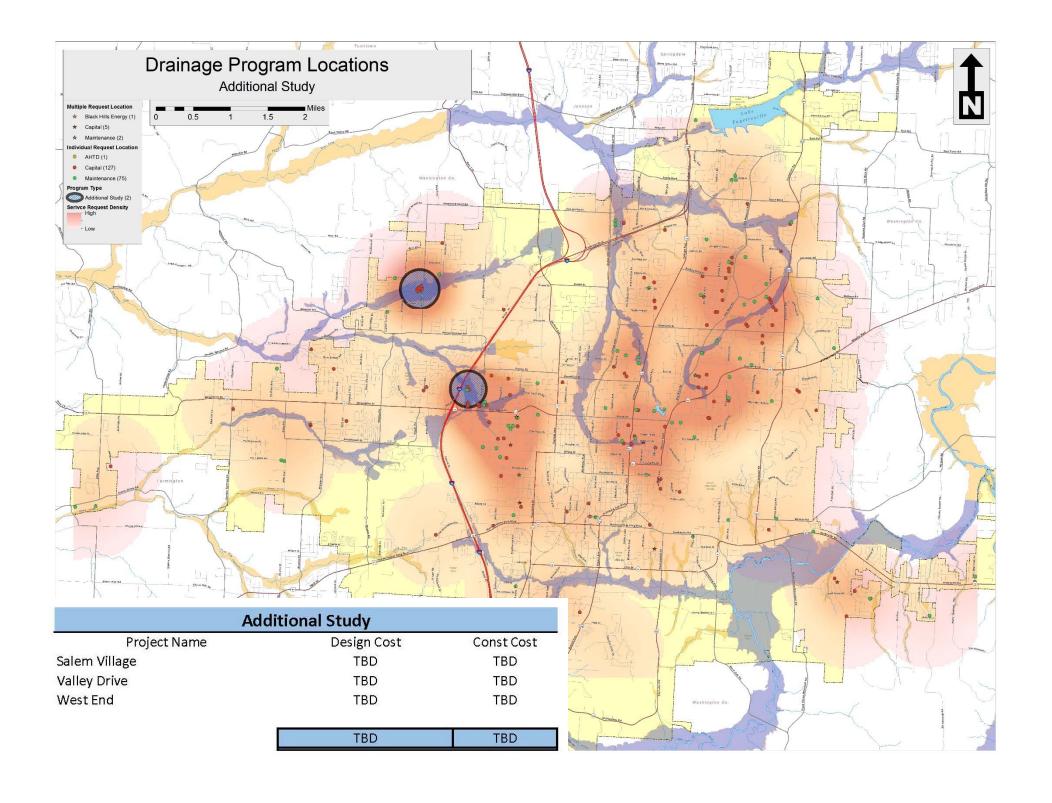
Total Remaining in 02108 \$ 150,000 2018 Engineering Funding \$ *Ranking score, 5 pts per house flooded, 2 points per house if flooding reaches foundation, single point for all other issues/damage 400,000 Example, 2 homes in neighborhood flood, 1 other has flooding up to foundation and 2 others have property damage **2018 Transportation Funding \$ 15,000 (5x2)+(2x1)+2=14 Total Points for that area/issue Total Funding Available \$ 565,000 Remaining for Design \$ 64,000

^{**}Remaining from Transportation Drainage funding after current and anticipated 2018 obligations









Long Term Funding Mechanisms

- Capital Improvement Program
- Future Bond Issue
- Stormwater Utility

Next Steps



- Stormwater Utility
 Feasibility Study
- Questions?
 - Contact the Engineering Division, 575-8206

engineering@fayetteville-ar.gov